

MAT-8872US

10/58778

AP20 Rec'd PCT/PTO 28 JUL 2006  
PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: To Be Assigned  
Applicants: Hajime MAEKAWA, et al.  
Filed: Herewith  
Title: COMMUNICATION SYSTEM, INFORMATION PROCESSING SYSTEM,  
INFORMATION PROCESSING APPARATUS, TUNNEL MANAGEMENT  
APPARATUS, INFORMATION PROCESSING METHOD, TUNNEL  
MANAGEMENT METHOD, AND PROGRAM  
TC/A.U.: To Be Assigned  
Examiner: To Be Assigned  
Confirmation No.: To Be Assigned  
Docket No.: MAT-8872US

**INFORMATION DISCLOSURE STATEMENT**

***Mail Stop PCT***  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO SB/08(a) and PTO SB/08(b) form submitted herewith. A copy of the references listed on the PTO SB/08(a) and PTO SB/08(b) are enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following Japanese references are not in the English language:

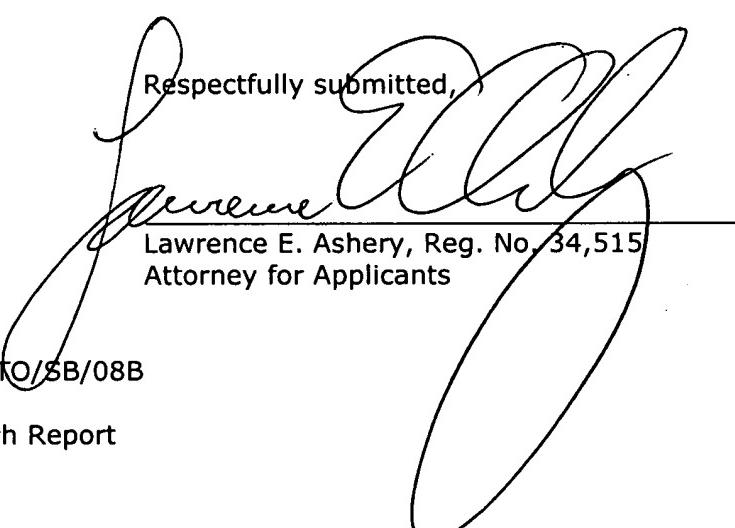
- 1) 2003-244251
- 2) Koichi NAKANO, "L2TP ni yoru Solution," Computer & Network LAN, Vol. 16, No. 10, October 1, 1998, pp. 28-33, "L2TP deno Tunnel Seisei," pp. 30-31.

3) 2003-244188

References 1) and 3) include an English language abstract. In addition, Reference 3) has a "concise explanation" under 37 CFR § 1.98(a)(3) as set forth in the background portion of the specification.

Further, References 1) and 2) were cited in a search report by a foreign Patent Office in a patent application corresponding to the above-identified patent application. A copy of this English language search report, indicating the degree of relevance determined by the foreign patent office, is submitted herewith. MPEP Section 609 IIIA(3), second paragraph.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.



Respectfully submitted,

Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/fp

Enclosures: PTO/SB/08A and PTO/SB/08B  
(4) References  
International Search Report

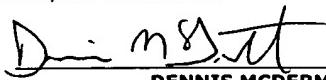
Dated: July 28, 2006

P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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**Date of Deposit: July 28, 2006**

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



DENNIS McDERMOTT

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PTO/SB/08A (AW 4/25/03) (04-03)

Approved for use through 04/30/2004. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<p><b>Substitute for Form 1449/PTO</b></p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>	<p><b>Complete if Known</b></p> <hr/> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 45%;">Application Number</td> <td>To Be Assigned</td> </tr> <tr> <td>Filing Date</td> <td>10/15/87</td> </tr> <tr> <td>First Named Inventor</td> <td>Hajime MAEKAWA, et al.</td> </tr> <tr> <td>Art Unit</td> <td>To Be Assigned</td> </tr> <tr> <td>Examiner Name</td> <td>To Be Assigned</td> </tr> </table> <hr/> <p>SHEET 1 of 2      Attorney Docket No. MAT-8872US</p>		Application Number	To Be Assigned	Filing Date	10/15/87	First Named Inventor	Hajime MAEKAWA, et al.	Art Unit	To Be Assigned	Examiner Name	To Be Assigned
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First Named Inventor	Hajime MAEKAWA, et al.											
Art Unit	To Be Assigned											
Examiner Name	To Be Assigned											

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**<sup>1</sup>Applicant's unique citation designation number (optional).**

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3)

\*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. For example, the serial number would be indicated as the document identifier WOPO Standard GT-16 if possible.

**5** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.  
6 Name of the document, if made up, if English-Indonesian translation is attached.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached  
to collection of information is required by 37 CFR 1.97 and 1.98. The information is re-

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	Application Number	To Be Assigned
	Filing Date	10/15/87778 Herewith
	First Named Inventor	Hajime MAEKAWA, et al.
	Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
SHEET 2 of 2	Attorney Docket No. MAT-8872US	

## **NON-PATENT LITERATURE DOCUMENTS**

<b>Examiner Signature</b>		<b>Date Considered</b>	
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